



ONLINE TECHNICAL TRAINING

Expand your high
voltage network and
equipment knowledge



TODAY'S ENVIRONMENT

Training matters. Training is essential for maintaining critical infrastructure within substations in order to ensure that equipment operates at peak performance, and within a safe environment. Budget, time constraints and a changing workforce can make it challenging to effectively deploy training programs across multiple sites in an organization. GE's online technical training solutions can help simplify the process, while at the same time help customers achieve operational excellence in a cost-effective manner.

SKILLS GAP

Annual cost to support a legacy control system can be **4X HIGHER** when internal expertise has lapsed

SAFETY RISK

Australian utilities lose **10,000+** worker-days annually due to injuries

TRAINING COST

Accommodation & travel can represent **200%** of overall training costs

WORKFORCE SHORTAGE

35% of Electric T&D technicians are nearing retirement



GE'S SOLUTIONS

Modular Online Technical Training

GE's Technical Institute provides technical online training on broad range of topics within the Transmission and Distribution domain. Whether it's product overviews, operations, maintenance, or health & safety, our content is expertly designed by e-learning professionals and GE technical specialists to advance knowledge, achieve the operational excellence, and keep users engaged with a mix of videos, 3D animation, activities and testing.



The 60+ modules can be used standalone, or as a compliment to classroom or on-site training. The flexibility offered by online means that customers can avoid the huge expense and hassles of coordinating travel. Designed for both desktop and tablet, users can train anytime, anywhere.

GE's online training solution is ready to use. The training modules can be hosted on the GE Learning Management System (LMS) that is available through annual license, or it can be seamlessly integrated with customer existing LMS systems.

The GE Advantage



COST EFFECTIVE

- Up to 80% less expensive than classroom training
- Unlimited users



FLEXIBLE SOLUTION

- Available 24/7
- Designed for desktops and tablets
- 1 year license on GE learning platform or permanent access on customer LMS with access to modules' update
- Scalable solution, select from 1 to 60+ modules
- Deploy locally or worldwide



READY TO USE

- 1 click access to a world of technical knowledge
- Integrates with other LMS systems (all courses SCORM compliant)



ENGAGING PEDAGOGY

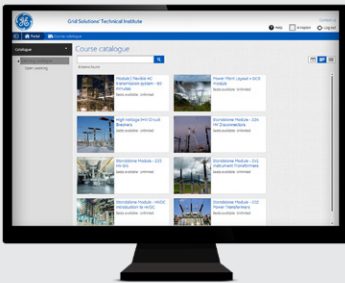
- 3D animation enhances user experience by providing unparalleled visibility inside parts
- Courses include video, quiz, certificate



CUSTOMIZED SERVICES

- Solutions designed around customers needs
- Self-directed package installed on customer LMS

THE COST EFFECTIVE SOLUTION FOR A FAST AND FLEXIBLE IMPLEMENTATION



Comprehensive Curriculum

- Over 60 modules
- Available in up to 8 languages
- Covers 20+ topics on high voltage equipment:
 - Design and functionality
 - Operation
 - Maintenance
 - Environmental risks management
 - Safety
- Unique learning experience with interactive content, 3D animations, videos, quizzes, refreshers and certifications for pre-work or post training



Learning Environment

- 24/7 availability
- Annual license, including course updates on GE Learning Management System (LMS), or permanent license on customer LMS
- Scalable from a few users to worldwide deployment
- Modular – select from 1 to 60 modules
- Tracking capabilities to measure skills and confirm compliance
- Reporting capabilities to identify skill gaps for individuals or a department
- Learner administration and progress reporting available on demand



Consulting Services

- Customized package with specific learning paths
- Pre-study to identify technical learning needs and available solutions
- Adaptation of existing core modules to client's corporate identity, processes and language
- Creation of new modules
- LMS selection and implementation
- Tailored reporting types
- Training for administrators and managers covering:
 - Architecture of the e-learning environment
 - Integration of the learning assets
 - Roles of the learners, user groups and administration

DEVELOPING MAINTENANCE AND OPERATION STAFF PERFORMANCE

CASE STUDY



Customer: Major Utility



Country: Canada

Challenge

To meet its business objectives, this major utility in the province of Québec relies on competent employees. Given the current labor shortage, they took measures to preserve and renew all the essential know-how held by their personnel. The utility needed a solution to train the operation and maintenance staff on newly received GE live tank and dead tank circuit breakers.

Solution

Operations and maintenance e-learning modules were developed and installed on the customers Learning Management System, for live tank circuit breaker GL 315 to 318 and dead tank circuit breakers DT72.5 to 145 kV. Modules included lesson, learning activities, access to proprietary technical documents, video illustration and quiz to evaluate the level of knowledge acquisition.

Benefits

- Manufacturer subject matter experts developed the content supported by e-learning and subject matter specialists.
- Modules available 24/7 on the clients network ensuring access, ease of use and success of program.
- Knowledge is refreshed and maintained.
- Opportunity to add unlimited number of learners at no extra cost.

Trainees across
150 sites

4 Dedicated
modules including
video and quiz

1 Proprietary LMS



COMPLYING WITH SF₆ REGULATION

CASE STUDY



Customer: Utility



Country: France

Challenge

SF₆ is a gas widely used in high-voltage equipment globally. However, it is a greenhouse gas with significant impact on global warming.

To comply with European standard regulation (EC) No 842/2006 and 517/2014, which frames the use of SF₆ including handling, filling and working with contaminated gas, the customer decided to deliver theoretical online training before delivering hands on equipment training and manipulation.

Solution

GE adapted the SF₆ training used to train GE field staff working at GE plants and customers' substations using the client's visual identity and specific processes. The solution consisted of the installation of 6 modules, including quizzes, on the customer's Training Center Learning Management System.

Benefits

- Rapid implementation of training - GE modules required only slight modifications to cover the client equipment.
- Modules are compliant with the EU mandatory regulations and support any SF₆ filled equipment.
- New staff can access the learning path without any extra cost.

700+
employees to
be trained

100%
compliant
with European
standard
regulations

Curriculum of
6 customized
modules

Permanent
license on
customer's LMS

BUILDING ELECTRICAL SAFETY AWARENESS



CASE STUDY



Customer: Industry



Country: India

Challenge

Customer reinforced its safety procedures and largely developed their e-learning training in-house. Operators and engineering staff must know and apply electrical safety procedures on medium and high voltage equipment, and be able to perform basic maintenance operations locally.

Solution

GE provided annual licenses to 420 operators and engineering staff located in several districts of India to the dedicated learning path on the GE Learning Management System. The e-learning path included:

- Conditional path of 3 modules and 3 quizzes
- Monthly follow-up and tracking reports

Benefits

- No need to implement local learning infrastructure, reduced travel and accommodation expenses.
- Monthly report helps customer management team to follow attendance and progress.
- Training available at any time, avoiding time zone issue and timetable planning.
- Progressive learning with validation after each module via quiz.

3 Tailored technical online training modules

420 Operators and engineering staff trained

0\$ Invested in IT infrastructure

1 Monthly follow-up and tracking report

To access GE's e-learning courses details, visit
GEGridSolutions.com/HV-online-training

Or contact
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imagination at work

GEGridSolutions.com

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English
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